

Sedation-Free Transnasal Endoscopy

The Full Scope of Practice

In the last few years there has been an increase in pediatric medical centers performing sedation-free transnasal endoscopy (TNE). The primary use of TNE at these locations has been Transnasal Esophagoscopy (TN-Eso) with biopsies for monitoring of Eosinophilic Esophagitis (EoE). From the adult literature it is known that transnasal endoscopy can also be used for Transnasal Esophagogastrosopy (TN-EG) and Transnasal Esophagogastroduodenoscopy (TN-EGD), which allows many other conditions (e.g., Celiac disease, ulcers, etc.) to be evaluated as well.¹

Possible Diagnostic and Therapeutic Indications for Sedation-Free TNE

Esophageal Indications

- ☐ Achalasia
- ☐ Bariatric related GERD and esophagitis
- ☐ Barrett's esophagus
- ☐ Caustic ingestion
- ☐ Chest pain
- ☐ Coffee ground emesis
- ☐ Dysphagia
- ☐ Eosinophilic esophagitis
- ☐ Esophageal atresia
- ☐ Esophageal dilation
- ☐ Esophageal stricture
- ☐ Esophageal variceal screening
- ☐ Failure to thrive/calorie malnutrition
- ☐ Food impaction evaluation
- ☐ Foreign body evaluation
- ☐ Functional Endoscopic Evaluation of Esophageal Swallowing - FEEES
- ☐ Fungal esophagitis
- ☐ GERD
- ☐ Hematemesis
- ☐ Lymphocytic esophagitis
- ☐ Mallory Weiss tear
- ☐ Odynophagia
- ☐ Reflux esophagitis
- ☐ Tracheoesophageal fistula
- ☐ Vomiting

Gastric Indications

- ☐ Abdominal pain
- ☐ Coffee ground emesis
- ☐ Crohn's disease
- ☐ Eosinophilic gastritis
- ☐ Fecal transplant via NG or ND route (using scope)
- ☐ G to GJ conversion
- ☐ G tube balloon evaluation
- ☐ G tube placement
- ☐ Gastric polyps
- ☐ Gastritis
- ☐ Gastroparesis
- ☐ Graft vs. Host disease
- ☐ H. Pylori culture & sensitivity
- ☐ H. Pylori gastritis
- ☐ Hematemesis
- ☐ Hemostasis
- ☐ Injection of pylorus/stomach
- ☐ Lymphocytic gastritis
- ☐ NG tube placement
- ☐ Nissen evaluation
- ☐ Ulcer

Duodenal Indications

- ☐ Abdominal pain
- ☐ Capsule endoscope advancement
- ☐ Celiac disease
- ☐ Collection of pancreatic enzyme samples
- ☐ Diarrhea
- ☐ Disaccharidase analysis
- ☐ Duodenal aspirate for bacterial overgrowth
- ☐ Duodenal polyps
- ☐ Duodenal ulcers
- ☐ Duodenitis
- ☐ Eosinophilic gastrointestinal disorders
- ☐ Failure to thrive/calorie malnutrition
- ☐ Giardia/O&P
- ☐ GJ placement
- ☐ Graft vs. Host disease
- ☐ Hematemesis
- ☐ Hemobilia
- ☐ Lactose intolerance
- ☐ NJ tube placement
- ☐ Placement of motility catheter over guidewire